- 1. A method of correlating text and imagery, comprising the steps of:
- 2 specifying a target concept;
  - providing textual material and imagery;
- 4 training a text search detector to examine the textual material for text regions which relate to the target concept, and creating a text target detection record in a database
- 6 A in the event of a match or other meaningful association;

training a discriminating feature detector to search for locations within the

- 8 imagery which relate to the target concept, and creating a location target detection record in a database B in the event of a match or other meaningful association; and
- 10 comparing the records in both databases to declare an approximate correlation, if any, indicative of a common target concept.
  - 2. The method of claim 1, wherein the target concept is an event or object.
  - The method of claim 1, wherein the discriminating features within the
    imagery include infrared, multispectral or spatial features.
    - 4. Wherein the step of training the text search detector includes the steps of:
- a) defining a search phrase;
  - b) testing the phrase against a validation set, and
- 4 c) repeating a) and b) until all relevant targets in the validation set are detected.

- The method of claim 1, wherein the examination of the textual material includes searching the text regions for geographic location text associated with the target concept.
- The method of claim 1, further including the step of generating a concept
  identifier code in both the text and image target detection records using a lookup table in the event of a match or other meaningful association.
  - 7. The method of claim 6, wherein the searching of the test regions is
- 2 accomplished by reference to a Gazeteer of place names and their corresponding lat-long locations.
- 8. The method of claim 7, wherein the text target detection record contains:
- 2 a text document ID number,
  - an index to locate a paragraph or passage within the document,
- 4 the target concept identifier code (CIC), and the latitude-longitude (LL) value.
  - 9. The method of claim 6, wherein the search for locations within the
- 2 imagery includes extracting a lat-long location.

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- 10. The method of claim 9, wherein the location target detection record
- 2 contains:
  - an image ID number,
- 4 an index to locate the target within the image,
  - the target concept identifier code (CIC), and
- 6 the latitude-longitude (LL) value.
  - 11. The method of claim 1, wherein the target within the image is in the form
- 2 of a pixel index.
  - 12. The method of claim 10, wherein:
- 2 the searching of the test regions is accomplished by reference to a Gazeteer of place names and their corresponding lat-long locations; and
- 4 the text target detection record contains:
  - a text document ID number.
- 6 an index to locate a paragraph or passage within the document,
  - the target concept identifier code (CIC), and
- 8 the latitude-longitude (LL) value.
  - 13. The method of claim 1, wherein criteria for declaring an approximate
- 2 correlation between two the records, A and B, includes:
  - IF CIC in record A = CIC in record B.

4 THEN record A and record B are associated.

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- 14. The method of claim 14, wherein the criteria for declaring an approximate
- 2 correlation between two the records, A and B, further includes:
  - IF (LL) in record A is within S of (LL) in record B,
- 4 THEN Record A and Record B are associated.

where S is a user-selectable spatial distance.

- The method of claim 1, wherein the event may be characterized as anemergency, tragedy, disaster or crisis.
- 16. The method of claim 1, wherein the object involves an environmental
- 2 asset, structure, or mode of transportation.
  - 17. The method of claim 1, wherein either or both of the steps associated with
- 2 examining the textual material or searching for locations within the imagery are carried out in a batch mode or as part of a recursive flow.
  - 18. A text and imagery spatial correlator, comprising:
- 2 a document text parsing and interpretation engine which uses a context-based search to generate topical information;
- 4 an imagery engine operative to associate the components of an image with known

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spatial features and generate location information; and

- 6 a matching subsystem operative to associate the topical information with the location information and present a result to a user.
  - 19. The text and imagery spatial correlator of claim 18, wherein text parsing and interpretation engine includes a user-trainable agent to define the context of interest in a current search.
  - The text and imagery spatial correlator of claim 18, wherein the topical information concerns an event or an object.
- The text and imagery spatial correlator of claim 20, wherein the event may
  be characterized as an emergency, tragedy, disaster or crisis.
- 22. The text and imagery spatial correlator of claim 20, wherein the object
- 2 involves an environmental asset, structure or mode of transportation.
  - 23. The text and imagery spatial correlator of claim 18, wherein the matching subsystem is operative to associate the topical information with the location information
  - in a batch mode or as part of a recursive flow.